



**IAP3 Rec'd PCT/PTO**

**7 JAN 2006**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
(Case No. 05-803)

In the Application of:

Michael P. Dean et al.

Serial No.: 10/551,628

Filed: September 30, 2005

Title: Signal Processing Apparatus and Method

Art Unit: Unknown

Examiner: Not Assigned

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**TRANSMITTAL LETTER**

In regard to the above identified application:

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- a. Information Disclosure Statement
- b. Copy of Cited Non-U.S. Patent References
- c. Return Receipt Postcard

2. With respect to additional fees:

- a. Attached is a check in the amount of \$-0-

3. Please charge any additional fees or credit overpayment to Deposit Account No.13-2490. A duplicate copy of this sheet is enclosed.

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By:

  
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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

## Complete if Known

Application Number	10/551,628
Filing Date	September 30, 2005
First Named Inventor	Dean
Art Unit	Unknown
Examiner Name	Not Assigned
Attorney Docket Number	05-803

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/KT/		US- 4,688,187	8-18-87	McWhirter	
		US-			
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## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Country Code <sup>3</sup> "Number" <sup>4</sup> "Kind Code" <sup>5</sup> (if known)				
/KT/		WO 02/093784	11-1-02	Qualcomm Incorp.		
↓		WO 03/049397	6-12-03	Qualcomm Incorp.		
		GB 2 375 464	11-13-02	Motorola, Inc.		
/KT/		EP 0 951 091	10-20-99	Lucent Technologies		

Examiner  
Signature

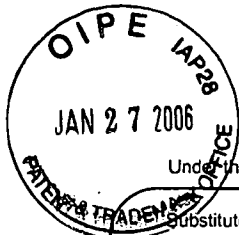
/Khai Tran/

Date  
Considered

11/19/2009

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PTO/SB/08b (07-05)

Approved for use through 06/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO

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Application Number	10/551,628
Filing Date	September 30, 2005
First Named Inventor	Dean
Art Unit	Unknown
Examiner Name	Not Assigned
Attorney Docket Number	05-803

Sheet

2

of

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### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/KT/		Abe et al. "Space-Time Turbo Equalization and Symbol Detection in Frequency Selective MIMO Channels", IEEE, pp. 1230-1234 (2001)	
		Biglieri, et al. "Recent Results on Coding for Multiple-Antenna Transmission Systems", IEEE, pp. 117-121 (2000)	
		Tao et al. "Low Complexity Post-Ordered Iterative Decoding for Generalized Layer Space-Time Coding Systems", IEEE, pp. 1137-1141 (2001)	
		Djouadi et al. "A Parallel or Algorithm for the Symmetrical Tridiagonal Eigenvalue Problem", IEEE, pp. 591-595 (1992)	
/KT/		Gupta et al. "Reconfigurable Computer for Space-Time Adaptive Processing", IEEE, pp. 335-336 (1998)	

Examiner  
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/Khai Tran/

Date  
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11/19/2009

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